INDEX TO VOLUME 46

ARTICLES AND SPECIAL FEATURES

Achinstein on Empirical Significance: A Matter of Principle (Discussion), Leonard J. Berkowitz 459

A Reply to Torretti and Giannoni (Discussion), Frank Jackson and Robert Pargetter 310

Are There Rival, Incommensurable Theories?, Dale W. Moberg . . 244

Biological Species as Natural Kinds, David B. Kitts and David J. Kitts 613

Clendinnen, Jackson, and Induction (Discussion), Gary Jones 466

Comment on Desmond Clarke, "Teleology and Mechanism: M. Grene's Absurdity Argument," Marjorie Grene 326

Comment on "Relative Simultaneity in the Special Theory of Relativity" (Discussion), Carlo Giannoni 306

Confirmation and Prediction, G. H. Merrill 98

Eliminating Mistakes About Eliminative Materialism, Robert K. Shope 590

Evidence and Hypothesis: An Analysis of Evidential Relations, Helen E. Longino 35

Fit, Finite and Universal Axiomatization of Theories (Discussion), Herbert A. Simon 295

Function Attributions and Functional Explanations, Berent Enç . . . 343

Functionalism and Reductionism, Robert C. Richardson 533

Generality and Nomological Form, Mark Wilson 161

General Relativity and the Conceivability of Time Travel (Discussion), Robert Weingard 328

Geometry and Special Relativity, Geoffrey Joseph 425

Hollis and Nell's Rational Economic Man: A Philosophical Critique of Neo-Classical Economics (Discussion Review), C. A. Hooker 470

Homogeneity and Explanatory Depth, John Meixner 366

In Memorium: Richard S. Rudner 661

Is Curvature Intrinsic to Physical Space?, Graham Nerlich 439

Jackson and Pargetter's Criterion of Distant Simultaneity, (Discussion), Roberto Torretti 302

Laudan's Progress and its Problems (Discussion Review), Ernan McMullin 623

Moor and Schlesinger on Explanation (Discussion), Brian Cupples . . 645

On Behavioral Theories of Reference, William W. Rozeboom . . 175

On Grünbaum and Retrocausation in Classical Electrodynamics, Charles Nissim-Sabat 118

On the Metamethodological Dimension of the Expectancy Paradox, Morris L. Shames 382

On Theory-Change and Meaning-Change, Michael E. Levin . . . 407

On the Reduction of Genetics to Molecular Biology, Steven Orla Kimbrough 389

Quantum Probability in Logical Space, John C. Bigelow 223

Realism and Instrumentalism in 19th-Century Atomism, Michael R. Gardner 1

Reduction in Genetics (Discussion), David L. Hull 316

Retrocausation and the Formal Assimilation of Classical Electrodynamics to Newtonian Mechanics: A Reply to Nissim-Sabat's "On Grunbaum and Retrocausation," Adolf Grünbaum and Allen I. Janis 136

Scientific Explanation and Sklar's Views of Space and Time, Paul Wolfson and James Woodward 287

Scientific Realism: The New Debates, Edward MacKinnon . . . 501

Substantial Causes and Nomic Deter-

mination, HENRY BYERLY 57
Teleology and Mechanism: M. Grene's Absurdity Argument (Discussion), DESMOND M. CLARKE 321
The Grain Objection, MICHAEL B. GREEN 559
The Propensity Interpretation of Fitness, SUSAN K. MILLS & JOHN H. BEATTY 263
Time's Arrow and the Structure of Spacetime, GEOFFREY MATTHEWS 82
Towards a Better Microeconomic Theory, RICHARD M. CYERT AND GARREL POTTINGER 204

AUTHORS

BEATTY, JOHN H. (WITH SUSAN K. MILLS). The Propensity Interpretation of Fitness 263
BERKOWITZ, LEONARD J. Achinstein on Empirical Significance: A Matter of Principal (Discussion) 459
BIGELOW, JOHN C. Quantum Probability in Logical Space 223
BYERLY, HENRY. Substantial Causes and Nomic Determination . . . 57
CLARKE, DESMOND M. Teleology and Mechanism: M. Grene's Absurdity Argument (Discussion) . . . 321
CUPPLES, BRIAN. Moor and Schlesinger on Explanation (Discussion) 645
CYERT, RICHARD M. (WITH GARREL POTTINGER). Towards a Better Microeconomic Theory 204
ENÇ, BERENT. Function Attributions and Functional Explanations . . 343
GARDNER, MICHAEL R. Realism and Instrumentalism in 19th-Century Atomism 1
GIANNONI, CARLO. Comment on "Relative Simultaneity in the Special Theory of Relativity (Discussion) 306
GREEN, MICHAEL B. The Grain Objection 559
GRENE, MARJORIE. Comment on Desmond Clarke, "Teleology and Mechanism: M. Grene's Absurdity Argument" (Discussion) . . . 326
GRÜNBAUM, ADOLF (WITH ALLEN I. JANIS) Retrocausation and the Formal Assimilation of Classical Electrodynamics to Newtonian Mechanics: A Reply to Nissim-Sabat's "On Grunbaum and Retrocausation" 136
HOOKER, C. A. Hollis and Nell's Rational Economic Man: A Philosophical Critique of Neo-Classical Economics (Discussion Review) 470
HULL, DAVID L. Reduction in Genetics (Discussion) 316
JACKSON, FRANK (WITH ROBERT PARGETTER). A Reply to Torretti and Giannoni (Discussion) 310
JANIS, ALLEN I. (WITH ADOLF GRÜNBAUM) Retrocausation and the Formal Assimilation of Classical Electrodynamics to Newtonian Mechanics: A Reply to Nissim-Sabat's "On Grünbaum and Retrocausation" 136
JONES, GARY. Clendinnen, Jackson and Induction (Discussion) . . . 466
JOSEPH, GEOFFREY. Geometry and Special Relativity 425
KIMBROUGH, STEVEN ORLA. On the Reduction of Genetics to Molecular Biology 389
KITTS, DAVID B., KITTS, DAVID J. Biological Species as Natural Kinds 613
LEVIN, MICHAEL E. On Theory-Change and Meaning-Change 407
LONGINO, HELEN E. Evidence and Hypothesis: An Analysis of Evidential Relations 35
MACKINNON, EDWARD. Scientific Realism: The New Debates 501
MATTHEWS, GEOFFREY. Time's Arrow and the Structure of Spacetime 82
MCMULLIN, ERNAN. Laudan's Progress and its Problems (Discussion Review) 623
MEIXNER, JOHN. Homogeneity and Explanatory Depth 366
MERRILL, G. H. Confirmation and Prediction 98
MILLS, SUSAN K. (WITH JOHN H.

BEATTY). The Propensity Interpretation of Fitness 263
MOBERG, DALE W. Are There Rival, Incommensurable Theories? . . 244
NERLICH, GRAHAM. Is Curvature Intrinsic to Physical Space? . . . 439
NISSIM-SABAT, CHARLES. On Grünbaum and Retrocausation in Classical Electrodynamics . . . 118
PARGETTER, ROBERT (WITH FRANK JACKSON) A Reply to Torretti and Giannoni (Discussion) 310
POTTINGER, GARREL (WITH RICHARD M. CYERT). Towards a Better Microeconomic Theory 204
RICHARDSON, ROBERT C. Functionalism and Reductionism 533
ROZEBOOM, WILLIAM W. On Behavioral Theories of Reference 175
SIMON, HERBERT A. Fit, Finite and Universal Axiomatization of Theories (Discussion) 295
SHAMES, MORRIS L. On the Metamethodological Dimension of the Expectancy Paradox 382
SHOPE, ROBERT K. Eliminating Mistakes About Eliminative Materialism 590
TORRETTI, ROBERTO. Jackson and Pargetter's Criterion of Distant Simultaneity (Discussion) 302
WEINGARD, ROBERT. General Relativity and the Conceivability of Time Travel (Discussion) 328
WILSON, MARK. Generality and Nomological Form (Discussion) 161
WOLFSON, PAUL (WITH) WOODWARD, JAMES. Scientific Explanation and Sklar's Views of Space and Time 287

REVIEWS

BLUME'S *Perspectives in the Sociology of Science* (Ian L. Mitroff) . . . 334
BRITTAN'S *Kant's Theory of Science* (Gordon Nagel) 654
BUTTS AND PITT'S (EDS.) *New Perspectives on Galileo* (Margaret J. Osler) 495
GAUKROGER'S Explanatory Structures" *A Study of Concepts of Explanation in Early Physics and Philosophy* (James G. Lennox) 652
GREGORY'S *Scientific Materialism in Nineteenth Century Germany* (Martin V. Curd) 338
HINDESS' *Philosophy and Methodology in the Social Sciences* (John G. McEvoy) 496
KITTS' *The Structure of Geology* (Rachel Laudan) 166
MACHAMER AND TURNBULL'S (EDS.) *Studies in Perception* (Adam Morton) 657
MANIER'S *The Young Darwinian and His Cultural Circle* (Michael Ruse) 165
NUMBERS' *Creation by Natural Law: Laplace's Nebular Hypothesis in American Thought* (Donald de B. Beaver) 167
PRICE AND CHISSICK'S *The Uncertainty Principle and Foundations of Quantum Mechanics: A Fifty Years' Survey* (William Demopoulos) 336
RESCHER'S *Pierce's Philosophy of Science. Critical Studies in His Theory of Induction and Scientific Method* (John V. Strong) 655
ROSENKRANTZ'S *Inference, Method and Decision* (Ronald N. Giere) 491
SCHLESINGER'S *Religion and Scientific Method* (Philip L. Quinn) 170
SLOMAN'S *The Computer Revolution in Philosophy: Philosophy, Science and Models of Mind* (Kenneth M. Sayre) 651
SPICKER AND ENGELHARDT'S (EDS.) *Philosophical Medical Ethics: Its Nature and Significance* (Ruth Macklin) 335
THOMPSON'S *Acts and Other Events* (Terence Horgan) 169
TRIGGER'S *Time and Traditions: Essays in Archaeological Interpretation* (Merilee H. Salmon) 494
VON HELMOLTZ'S *Epistemological Writings* (P. H. Heimann) . . . 333